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(54) Title: DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH PHOSPHATE REGULATING ENDOPEPTIDASE HOMOLOG (PHEX)

(57) Abstract: The invention provides a human PHEX which is associated with the hematological diseases, cancer, dermatological diseases, endocrinological diseases, metabolic diseases, inflammation, respiratory diseases, neurological diseases, cardiovascular diseases and urological diseases. The invention also provides assays for the identification of compounds useful in the treatment or prevention of hematological diseases, cancer, dermatological diseases, endocrinological diseases, metabolic diseases, inflammation, respiratory diseases, neurological diseases, cardiovascular diseases and urological diseases. The invention also features compounds which bind to and/or activate or inhibit the activity of PHEX as well as pharmaceutical compositions comprising such compounds.